

Optimize the IT Infrastructure that Supports SAP & Oracle

Customers of SAP® & Oracle® deploy VirtualWisdom to monitor and optimize the performance and availability of their business-critical IT infrastructure. It ensures that key applications are running at peak performance and that all underlying technology components across the I/O path are optimized.



Business-critical Infrastructure Requires Real-time Performance Monitoring

Nearly all leading manufacturers have deployed SAP or Oracle to manage key aspects of their business operations from their manufacturing process, supply chain, enterprise resource planning (ERP) and financial forecasting, through to HR, CRM and billing. IT's job is to ensure maximum efficiency and business agility in a 'just in time' environment. If the system slows down or stops the entire organization is impacted. Missed deadlines and outages can be easily measured at a cost per second to the business. Slow applications are simply unacceptable as they directly relate to lost revenue.

The traditional method of ensuring application performance in an open systems environment is to overprovision the infrastructure. With today's highly constrained budgets, this approach is no longer cost effective. The utilization of both the virtual and physical infrastructure needs to be proactively monitored, analyzed and optimized.

SAN I/O is the Common Bottleneck

A view into the web tier, application tier, and middleware is provided by Application Performance Management tools. Unfortunately, these tools have no real-time view of the I/O infrastructure. IT managers can often see the activity across the LUNs in the storage device and the individual switch ports, but they can't correlate this information across the entire application. What VirtualWisdom does is bind together all the SAP or Oracle activity from the application all the way down, through the SAN switching fabric, to the Storage array LUNs.

With a single, logical real-time view of the infrastructure, you can do three things to eliminate the risk of performance or availability issues:

- Tell how the application is performing down to the millisecond.
- Pick up any errors happening within the Fibre Channel estate, allowing you to see performance issues that may impact the application infrastructure.
- See how the components supporting the application infrastructure are utilized. To map the application as it changes, to enable you to buy more hardware, ports or capacity as it is needed rather than over-provisioning and wasting capital. You can acquire the appropriate infrastructure to support the changing application.

“ We've seen about a 75% reduction in our high-alert incident rate, and there has been a significant reduction in IT staff required to manage the SAN, allowing us to deploy them on other tasks.”

Paul Faid
Unix & Integrated Storage Manager
Unilever

Eliminate the risk of Deploying SAP and Oracle

Performance and availability are the critical concerns on the check list when planning and managing infrastructure that supports SAP and Oracle, especially in a virtualized infrastructure. Rather than trusting vendor claims, you can now have a comprehensive real-time view into the infrastructure to ensure the level of service.

Applications such as ERP and CRM will take on many changes over the period of 5 years. If you move from a 100 user system to a 200 user system it will have a significant impact on the I/O infrastructure. Performance for these types of business-critical applications is far more important than in an application that rarely grows and changes.

VirtualWisdom fills the critical gap that allows you to see application performance, in a 'mainframe like' way, while also allowing you to optimize the choice of server, switch and storage device.

You will no longer have to worry about users complaining about performance because you will have world class monitoring and measurement and be able to respond accordingly. Potential issues can be reported differently for SAP and Oracle as opposed to everything else on your shared infrastructure.

Virtual Instruments have customers today that are running \$100 million of business per day through their SAP systems. The application should run at 2 milliseconds per transaction. If the performance slows to 5 milliseconds, alerts notify the person responsible that there is an issue to resolve. At 50 milliseconds users start to complain and at 200 milliseconds incoming orders are virtually stopped. Only VirtualWisdom can truly provide the essential subsecond data on how the infrastructure is supporting the application.

Improve Time to Market

VirtualWisdom guarantees open systems database, server, switch or storage devices perform as they should in an SAP or Oracle environment. Infrastructure management becomes proactive, rather than having to 'fire-fight' issues as they happen. It enables response time thresholds to be set for individual applications. Managers can now, for the first time, set Service Level Agreements in virtualized or private cloud environments allowing them to get the cost benefits of more efficient hardware utilization and faster time to market. Traditional Application Performance Management tools look at how the application is working within the server layer and how it communicates with the database but they do not look at the entire end to end journey of a transaction across the SAN.

VirtualWisdom enables dedicated SAP or Oracle storage infrastructure to be managed differently than other storage devices. Applications running the business can be allocated higher performance hardware while others can run efficiently on less expensive equipment. Application performance can be guaranteed as the virtual and physical Infrastructure is measured and optimized. With VirtualWisdom both capital and operational expenditure is significantly reduced while infrastructure and application performance is dramatically improved.

WHY ORACLE & SAP INFRASTRUCTURE MANAGERS DEPLOY VirtualWisdom®

- Proactively identify and resolve infrastructure problems before they impact business-critical applications
- Increase application performance by 2X to 10X
- Guarantee performance and availability SLAs as you virtualize or move to a private cloud.
- Optimize server, SAN and storage port utilization to avoid unnecessary purchases; use optimal storage tier based on application profiles
- Reduce trouble tickets by up to 80%

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